



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 0 9/ 908,988

Source: OLR

Date Processed by STIC: 2/29/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW.**

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/908,988

DATE: 07/27/2001

TIME: 11:15:31

Input Set : A:\MYOG028US.txt

Output Set: N:\CRF3\07272001\I908988.raw

3 <110> APPLICANT: OLSON, ERIC
 4 SPENCER, JEFFREY A.
 6 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES
 7 IN STRIATED MUSCLE CELLS
 9 <130> FILE REFERENCE: MYOG:028US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/908,988
 12 <141> CURRENT FILING DATE: 2001-07-18
 14 <150> PRIOR APPLICATION NUMBER: 60/219,020
 15 <151> PRIOR FILING DATE: 2000-07-18
 17 <160> NUMBER OF SEQ ID NOS: 6
 19 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

Does Not Comply
 Corrected Diskette Needed

21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1448 1431 (P. 3)
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Mus musculus
 26 <220> FEATURE:
 27 <221> NAME/KEY: CDS
 28 <222> LOCATION: (199)..(1296)
 30 <400> SEQUENCE: 1
 31 aaggagtgtgta gacagagtgt ctggaaatag acaggggtga gaggagctgt taggggaagg 60
 33 gacaggactc ttccaagagg gagcaatagc cgggatccca agaattccagt cagcctaaac 120
 35 tgaccgagga aggggtgcaca ggcaggggag aaggccaacg acagggccac agcgaggcag 180
 37 gctccagagc gccgcggg atg aac ttc acg gtg ggt ttc aag ccg ctg cta 231
 38 Met Asn Phe Thr Val Gly Phe Lys Pro Leu Leu
 39 1 5 10
 41 ggg gat gcg cac aac atg gac aac ttg gag aag cag ctc att tgc ccc 279
 42 Gly Asp Ala His Asn Met Asp Asn Leu Glu Lys Gln Leu Ile Cys Pro
 43 15 20 25
 45 atc tgc ctg gag atg ttc tcc aag ccc gtg gtg atc ttg ccc tgc caa 327
 46 Ile Cys Leu Glu Met Phe Ser Lys Pro Val Val Ile Leu Pro Cys Gln
 47 30 35 40
 49 cac aac ctg tgc cgc aag tgt gcc aac gac gtc ttc cag gcc tct aat 375
 50 His Asn Leu Cys Arg Lys Cys Ala Asn Asp Val Phe Gln Ala Ser Asn
 51 45 50 55
 53 cct ctg tgg caa tcc cgg ggc tcc aca acg gtg tct tca gga gga cgt 423
 54 Pro Leu Trp Gln Ser Arg Gly Ser Thr Thr Val Ser Ser Gly Gly Arg
 55 60 65 70 75
 57 ttc cga tgc cca tct tgt agg cac gag gtt gtc ctg gac agg cat ggt 471
 58 Phe Arg Cys Pro Ser Cys Arg His Glu Val Val Leu Asp Arg His Gly
 59 80 85 90
 61 gtc tat ggc ctg cag cgg aac ctg cta gtg gag aac atc att gac atc 519
 62 Val Tyr Gly Leu Gln Arg Asn Leu Leu Val Glu Asn Ile Ile Asp Ile
 63 95 100 105

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```

65 tac aag cag gag tcc tcc cgg cca ctg cac gcc aag gct gaa cag cac 567
66 Tyr Lys Gln Glu Ser Ser Arg Pro Leu His Ala Lys Ala Glu Gln His
67      110      115      120
69 ctc atg tgt gag gag cac gag gac gag aag atc aac atc tac tgc ctg 615
70 Leu Met Cys Glu Glu His Glu Asp Glu Lys Ile Asn Ile Tyr Cys Leu
71      125      130      135
73 agc tgc gag gtg ccc acc tgc tct ctc tgc aag gtt ttc ggc gcc cac 663
74 Ser Cys Glu Val Pro Thr Cys Ser Leu Cys Lys Val Phe Gly Ala His
75 140      145      150      155
77 aag gac tgt gag gtg gcc cct ctg ccc acc att tac aaa cgc cag aag 711
78 Lys Asp Cys Glu Val Ala Pro Leu Pro Thr Ile Tyr Lys Arg Gln Lys
79      160      165      170
81 agt gag ctg agc gat ggc atc gcg atg ctg gtg gcg ggc aat gac cgt 759
82 Ser Glu Leu Ser Asp Gly Ile Ala Met Leu Val Ala Gly Asn Asp Arg
83      175      180      185
85 gtg cag gca gtg atc acc cag atg gag gag gtg tgc cag acc att gag 807
86 Val Gln Ala Val Ile Thr Gln Met Glu Glu Val Cys Gln Thr Ile Glu
87      190      195      200
89 gac aac agc cgc aga cag aag caa ctg tta aac cag agg ttc gag acc 855
90 Asp Asn Ser Arg Arg Gln Lys Glu Leu Leu Asn Gln Arg Phe Glu Thr
91      205      210      215
93 ctg tgc gcg gtt ttg gag gag cgc aag ggc gaa ctg ctt caa gca ctg 903
94 Leu Cys Ala Val Leu Glu Glu Arg Lys Gly Glu Leu Leu Gln Ala Leu
95 220      225      230      235
97 gcc cgg gag cag gag gag aag ttg cag cgc gtg cgg ggc ctc atc cgc 951
98 Ala Arg Glu Gln Glu Glu Lys Leu Gln Arg Val Arg Gly Leu Ile Arg
99      240      245      250
101 cag tac gga gac cac ttg gag ggc tcc tca aag ctg gtg gag tcc gcc 999
102 Gln Tyr Gly Asp His Leu Glu Gly Ser Ser Lys Leu Val Glu Ser Ala
103      255      260      265
105 atc cag tcc atg gag gag ccg cag atg gct ctc tac ctc cag cag gca 1047
106 Ile Gln Ser Met Glu Glu Pro Gln Met Ala Leu Tyr Leu Gln Gln Ala
107      270      275      280
109 aag gag ctg atc aac aag gtc ggg gca atg tcg aag gtg gag ctg gca 1095
110 Lys Glu Leu Ile Asn Lys Val Gly Ala Met Ser Lys Val Glu Leu Ala
111      285      290      295
113 gga cgg ccg gag cca ggc tat gag agc atg gag caa ttc tct gtg agc 1143
114 Gly Arg Pro Glu Pro Gly Tyr Glu Ser Met Glu Gln Phe Ser Val Ser
115 300      305      310      315
117 gtg gag cac gtg gcc gaa atg ttg cga acc atc gac ttc cag ccg ggc 1191
118 Val Glu His Val Ala Glu Met Leu Arg Thr Ile Asp Phe Gln Pro Gly
119      320      325      330
121 gcc gct ggg gat gaa gag gat gac gac atg gct ttg gat ggg gag gag 1239
122 Ala Ala Gly Asp Glu Glu Asp Asp Asp Met Ala Leu Asp Gly Glu Glu
123      335      340      345
125 ggc aat gcg ggg ctg gag gag gag cgg ctg gac gtg cca gaa ggc tca 1287
126 Gly Asn Ala Gly Leu Glu Glu Glu Arg Leu Asp Val Pro Glu Gly Ser
127      350      355      360
129 ggc ctg cac tgacccgact ctgatccaga gcgcacaccc gaagcgggag 1336

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130 Gly Leu His

131 365

133 ccaagggatg ctgaggatct gcgcagagac caccgcgcca ccaagctcgg cttcccgcgc 1396

E--> 135 ccgggaaggt tctcaataaa ggactcaagt gtcgc

1434

1431

VERIFICATION SUMMARY

DATE: 07/27/2001

PATENT APPLICATION: US/09/908,988

TIME: 11:15:32

Input Set : A:\MYOG028US.txt

Output Set: N:\CRF3\07272001\I908988.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:135 M:254 E: No. of Bases conflict, LENGTH:Input:1434 Counted:1431 SEQ:1

L:135 M:252 E: No. of Seq. differs, <211>LENGTH:Input:1448 Found:1431 SEQ:1